What is claimed is

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- An aqueous solution of H₂O₂ (hydrogen peroxide) that dispensed by a consumer as a stable foam for the treatment of minor injuries comprising
- a) a 0.1% to 15% solution of H₂O₂;
 - b) about 1% of a surfactant;
 - C) less than 1% of a stabilizer;
- packaged in a container equipped with a pump foaming chamber that produces

 10 foam without the use of gas propellants and delivers H₂O₂ topically to a wound by

 finger-depression of a foam dispenser.
 - The foam of claim 1 wherein the surfactant is a non-ionic surfactant selected from the group consisting of octylnol 9, laneth-4, steareth-4, oleth-4, ceteth-10, laneth-10, steareth-10, oleth-10, ceteth-20, polysorbates 20 and 80, and combinations thereof.
 - 3. The foam of claim 1 wherein the stabilizer is sodium pyrophosphate.
- 4. The foam of claim 1 wherein the H₂O₂ is optionally formulated with at least one complementary ingredient selected from the group consisting of topical pain relievers and skin protectants.
- The foam of claim 4 wherein the topical pain relievers are selected from the group consisting of benzocaine, butamben picrate, dibucaine hydrochloride, dimethisoquin hydrochloride, dyclonine hydrochloride, lidocaine, lidocaine hydrochloride, pramoxine hydrochloride, tetracaine, tetracaine hydrochloride, benzyl alcohol, camphor, camphorated metacresol, juniper, menthol, phenol, phenolate sodium, resorcinol, diphenhydramine hydrochloride, tripelenamine
 hydrochloride, hydrocortisone, hydrocortisone acetate, methyl salicylate, menthol, methyl nicotinate, capsaicin, capsaicin oleoresin and combinations

thereof

- 6. The foam of claim 4 wherein the skin protectants are selected from the group consisting of glycerin, propylene glycol, dimethicone, allantoin, aluminum hydroxide gel, calamine, cocoa butter, kaolin, petrolatum, shark liver oil, zinc acetate, zinc carbonate, zinc oxide, cod liver oil, lanolin, mineral oil, talc, topical starch, colloidal oatmeal, and sodium bicarbonate.
- 7. The foam of claim 1 wherein the H_2O_2 is applied to the wound without the need for additional application means.
 - The foam of claim 1 wherein the H₂O₂ foam dispensing device comprises a reversibly compressible and decompressible container housing which operates at atmospheric pressure.

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- 9. An aqueous solution of H_2O_2 (hydrogen peroxide) that is dispensed by a consumer as a spray mist for the treatment of minor injuries comprising
 - a) a 0.1% to 15% solution of H₂O₂;
- b) less than 1% of sodium pyrophosphate stabilizer;
- 20 packaged in a container equipped with a sprayer that ejects a fine mist of H₂O₂ topically to a wound.
 - 10. The solution of claim 9 wherein the H₂O₂ is optionally formulated with at least one complementary ingredient selected from the group consisting of topical pain relievers and skin protectants.
 - 11. The solution of claim 9 wherein the local anasthetics are selected from the group consisting of benzocaine, butamben picrate, dibucaine hydrochloride, dimethisoquin hydrochloride, dydonine hydrochloride, lidocaine, lidocaine hydrochloride, pramoxine hydrochloride, tetracaine, tetracaine hydrochloride, benzyl alcohol, camphor, camphorated metacresol, juniper, menthol, phenol,

phenolate sodium, resorcinol, diphenhydramine hydrochloride, tripelenamine hydrochloride, hydrocortisone, hydrocortisone acetate, methyl salicylate, menthol, methyl nicotinate, capsaicin, capsaicin oleoresin and combinations thereof.

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- 12. The solution of claim 9 wherein the skin protectants are selected from the group consisting of glycerin, propylene glycol, dimethicone, allantoin, aluminum hydroxide gel, calamine, cocoa butter, kaolin, petrolatum, shark liver oil, zinc acetate, zinc carbonate, zinc oxide, cod liver oil, lanolin, mineral oil, talc, topical starch, colloidal oatmeal, and sodium bicarbonate.
- 13. The solution of claim 9 wherein the H_2O_2 is applied to the wound without the need for additional application means.
- 15 14. A disposable towelette that is saturated with an aqueous solution of H₂O₂ (hydrogen peroxide) that is packaged in a disposable wrapper, said solution comprising
 - a) a 0.1% to 15% solution of H₂O₂ antiseptic;
 - b) less than 1% of sodium pyrophosphate stabilizer;
- 20 that enables antiseptic application of H₂O₂ to a topical wound without additional applicator means.
 - 15. The disposable towelette of claim 14 wherein the H_2O_2 is optionally formulated with at least one complementary ingredient selected from the group consisting of topical pain relievers and skin protectants.
 - 16. The disposable towelette of claim 14 wherein the topical pain relievers are selected from the group consisting of benzocaine, butamben picrate, dibucaine hydrochloride, dimethisoquin hydrochloride, dyclonine hydrochloride, lidocaine, lidocaine hydrochloride, pramoxine hydrochloride, tetracaine, tetracaine hydrochloride, benzyl alcohol, camphor, camphorated metacresol, juniper.

menthol, phenol, phenolate sodium, resorcinol, diphenhydramine hydrochloride, tripelenamine hydrochloride, hydrocortisone, hydrocortisone acetate, methyl salicylate, menthol, methyl nicotinate, capsaicin, capsaicin oleoresin and combinations thereof.

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- 17. The disposable towelette of claim 14 wherein the skin protectants are selected from the group consisting of glycerin, propylene glycol, dimethicone, allantoin, aluminum hydroxide gel, calamine, cocoa butter, kaolin, petrolatum, shark liver oil, zinc acetate, zinc carbonate, zinc oxide, cod liver oil, lanolin, mineral oil, talc, topical starch, colloidal oatmeal, and sodium bicarbonate.
- 18. The disposable towelette of claim 14 wherein said towelette is made of a material that is not reactive with H₂O₂ selected from the group consisting of cellulosic tissue, rayon/polyester blends, silicone carbonates, polypropylene, polyethylene, silk fibers, keratin fibers and cellulosic fibers.
- 19. An antiseptic gel composition of $H_2 O_2$ (hydrogen peroxide) that comprises
 - a) a 0.1% to 15% solution of H₂O₂ antiseptic;
 - b) about 2% hypromellose thickener;
 - c) about 0.25% sodium pyrophosphate stabilizer;
- d) about 0.05% 2-amino-2-methyl-1-propanol neutralizing agent and the balance propylene glycol formulated into a stable gel composition that is dispensed by a consumer as needed for the treatment of minor injuries.
- 25 20. The gel of claim 19 wherein the H₂O₂ is optionally formulated with at least one complementary ingredient selected from the group consisting of topical pain relievers and skin protectants.
- 21. The gel of claim 19 wherein the topical pain relievers are selected from the group consisting of benzocaine, butamben picrate, dibucaine hydrochloride, dimethisoquin hydrochloride, dyclonine hydrochloride, lidocaine, lidocaine

hydrochloride, pramoxine hydrochloride, tetracaine, tetracaine hydrochloride, benzyl alcohol, camphor, camphorated metacresol, juniper, menthol, phenol, phenolate sodium, resorcinol, diphenhydramine hydrochloride, tripelenamine hydrochloride, hydrocortisone, hydrocortisone acetate, methyl salicylate,

- 5 menthol, methyl nicotinate, capsaicin, capsaicin oleoresin and combinations thereof.
 - 22. The gel of claim 19 wherein the skin protectants are selected from the group consisting of glycerin, propylene glycol, dimethicone, allantoin, aluminum hydroxide gel, calamine, cocoa butter, kaolin, petrolatum, shark liver oil, zinc acetate, zinc carbonate, zinc oxide, cod liver oil, lanolin, mineral oil, talc, topical starch, colloidal oatmeal, and sodium bicarbonate.

- 23. The gel of claim 19 wherein the H_2O_2 contained therein is applied to the wound without the need for application means.
- 24. A method for treating topical wounds with a composition of hydrogen peroxide (H₂O₂) which comprises applying a foam composition comprising from 0.1 to 15% hydrogen peroxide,
 20 stabilized with minor amounts of sodium pyrophosphate and formulated with a surfactant to the wound site by depressing a finger-activated pump foaming device in the immediate vicinity of said wound allowing the peroxide to come into contact with the wound without the need for
- 25 additional application means and allowing the peroxide to treat the wound without dripping.
 - 25. A method for treating topical wounds with a composition of hydrogen peroxide (H_2O_2) which comprises
- 30 spraying a composition comprising from 0.1 to 15% hydrogen peroxide, stabilized with minor amounts of sodium pyrophosphate, and disinfecting the wound by

spraying as needed, said spraying allowing the peroxide to come into contact with the wound without the need for additional application means and allowing the peroxide to treat the wound without dripping.

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- 26. A method for treating topical wounds with a composition of hydrogen peroxide (H_2O_2) which comprises opening a sealed packet of a disposable towelette that is saturated with from 0.1 to 15% hydrogen peroxide, stabilized with minor amounts of sodium
- 10 pyrophosphate, opening the sealed packet, disinfecting the wound by wiping it with the towelette, repeating the wiping as needed to treat the wound, disposing of the used towelette and its packaging.
 - allowing the peroxide to come into contact with the wound without the need for additional application means and
- 15 allowing the peroxide to treat the wound without dripping.
 - 27. A method for treating topical wounds with a composition of hydrogen peroxide (H_2O_2) by applying to a wound site a gel which comprises
 - a) a 0.1% to 15% solution of H₂O₂ antiseptic;
- 20 b) about 2% hypromellose thickener;
 - c) about 0.25% sodium pyrophosphate stabilizer;
 - d) about 0.05% 2-amino-2-methyl-1-propanol neutralizing agent and the balance propylene glycol formulated onto the site of a topical wound by opening a tube which contains said gel, squeezing the tube, and applying the gel to the site of the wound.
 - allowing the peroxide to come into contact with the wound without the need for additional application means and

allowing the peroxide to treat the wound without dripping.